

10/518788

DT Rec'd PCT/PTO 21 DEC 2004

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q83533

Masakazu SATO, *et al.*

National Stage Application of  
PCT/JP03/10160  
-filed August 8, 2003

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: December 21, 2004

Examiner: Not Yet Assigned

For: ARYL 5-THIO- $\beta$ -D-GLUCOPYRANOSIDE DERIVATIVES AND THERAPEUTIC  
AGENTS FOR DIABETES CONTAINING THE SAME

**SUBMISSION OF INTERNATIONAL SEARCH REPORT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a copy of the International Search Report received in the International Application corresponding to the above U.S. Application and a PTO/SB/08 A&B (modified) listing the references cited in the Report. Upon issuing the Report, the International Bureau should send a copy of the Report and the cited references to the United States Patent and Trademark Office. However, if the Examiner would like us to obtain and file copies of the references with the USPTO, please contact the office of the undersigned attorney. The Examiner is respectfully requested to acknowledge receipt of the International Search Report.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Submission of International Search Report  
National Stage Application of  
PCT/JP03/10160  
-filed August 8, 2003

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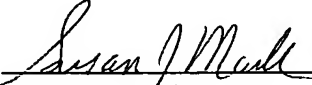
Respectfully submitted,

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

  
Susan J. Mack  
Registration No. 30,951

Date: December 21, 2004

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Substitute for Form 1449 A &amp; B/PTO

**REFERENCES CITED IN THE  
INTERNATIONAL SEARCH REPORT**

(use as many sheets as necessary)

Application Number	National Stage Application of PCT/JP03/1016 -filed August 8, 2003
Confirmation Number	Not Yet Assigned
Filing Date	December 21, 2004
First Named Inventor	Masakazu SATO
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q83533

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		WO	01/16147	A1	03-08-2001	Kissei Pharmaceutical Co., Ltd.	
		WO	01/68660	A1	09-20-2001	Kissei Pharmaceutical Co., Ltd.	
		WO	01/74834	A1	10-11-2001	Bristol Myers Squibb Co	
		WO	01/74835	A1	10-11-2001	Bristol Myers Squibb Co	
		WO	02/36602	A1	05-10-2002	Ajinomoto Co., Inc.	
		WO	02/053573	A1	07-11-2002	Kissei Pharmaceutical Co., Ltd.	
		JP	10-237089	A	09-08-1998	Tanabe Seiyaku Co., Ltd.	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		BOZO, <i>et al.</i> "Synthesis of 4-cyanophenyl and 4-nitrophenyl 1,5-dithio-L- and -D-arabinopyranosides possessing antithrombotic activity". <i>Carbohydrate Research</i> , 1998, 311, pages 191-202	
		K.D. RANDELL, <i>et al.</i> "Synthesis and glycosides inhibitory activity of 5-thioglucofuranosylamines. Molecular modeling of complexes with glucoamilase." <i>Carbohydrate Research</i> , 1999, 321, pages 143-156	
		H. YUASA, <i>et al.</i> "Relative Nucleophilicity of the Two Sulfur Atoms in 1,5-Dithioglucofuranoside." <i>Angew.Chem.Int.Ed.Engl.</i> , 1997, 36(8), pages 868-870	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.